

# The Tech

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CAMBRIDGE, MASS., TUESDAY, APRIL 11, 1939

Price Five Cents

## Harold Hartley Guest Speaker At Graduation

**Commencement Exercises  
In Symphony Hall  
On June 6**

### HUDSON IS CHAIRMAN

Sir Harold Hartley, vice-president and director of research of the London Midland and Scottish Railway, will deliver the commencement address at the graduation exercises for the senior class on June 6, it was announced last night by President Karl T. Compton.

The commencement exercises will be held in Symphony Hall. The invocation will be offered by the Reverend Cornelius P. Trowbridge, canon of the Church of St. Paul. Professor Ralph G. Hudson of the Electrical Engineering department, chairman of the committee on commencement, is in charge of plans for the exercises.

### Educated at Oxford

Sir Harold Hartley was educated at Oxford University and the University of Munich, and holds the honorary degree of Doctor of Science from Sheffield University. From 1901 to 1931 he was Tutorial Fellow of Balliol College, Oxford, and Duke of Bedford.

(Continued on Page 4)

### Commencement

## Technique Holds Last Sales Drive

**Proofs Of Informal Pictures,  
New Cover Also To Be  
In Exhibit**

Technique, Technology's yearbook, will conduct its final selling campaign of the season on Wednesday and Thursday of this week, April 12-13. The price of the publication's options will remain \$4.75 through this campaign, but will rise to \$5.00 after spring vacation.

The selling display will include an exhibit of the new cover which was selected by a student vote earlier in the year. There will also be a display of proofs of the fraternity and informal cuts.

### Options May Be Redeemed

Options may be redeemed on Saturday, April 29, the first day of public sale, and thereafter. The books will be given to members of the staff at a banquet on April 28 at the Copley Plaza. The officers for next year's volume will also be announced at this time.

## Trans-Atlantic Air Service To Benefit By Tech's Part In Weather Study Plan

Plans for inauguration of regular trans-Atlantic air service this summer have prompted the establishment of an experimental international research program in which Technology will participate.

Because of their influence on long flights, weather conditions will be the focal point of study by the proposed research group, according to Professor Carl G. A. Rossby, head of the Institute's meteorological laboratory.

### Several Groups Included

Many organizations will be enlisted in the study of meteorological conditions high over the North Atlantic from the Gulf of Mexico to the Grand Banks. United States Coast Guard vessels, the United States Weather

Bureau, and the Blue Hill Observatory of Harvard, will join Tech's meteorological staffs in the weather study. In addition the Friez Instrument Company of Baltimore has donated 95 instruments to the Institute for use in studying conditions at Bermuda.

Professor Rossby said that the American phase of the cooperative project had grown out of a suggestion of Commander Edward H. Smith, meteorologist and oceanographer of the United States Coast Guard.

### Project Already Started

New England's part in this international weather study began at dawn

(Continued on Page 3)

### Weather Study

## Dramashop Will Conduct Tryouts 7:30 Tomorrow

The M.I.T. Dramashop will hold its annual spring tryouts tomorrow evening at 7:30 P.M., in Room 7-403, the William Emerson room.

Those interested are requested by Dramashop to consult the notice posted in the Dramashop office, Room 2-176, either today or tomorrow.

## Tommy Reynolds To Play For '42 Formal, May 12

**Sally Ann Harris Will Supply  
Vocals For Reynolds'  
Orchestra**

Those freshmen attending the annual Freshman Formal at the Hotel Somerset on May 12 will have Tommy Reynolds and his orchestra as rhythm makers with Miss Sally Ann Harris as vocalist.

The rapid rise of Tommy Reynolds' comparatively new organization to its present position among big name bands is an indication of the grade of music and swing he will present at the formal. This success is due, in the first place, to Tommy's own rendition of swing on his instrument, the clarinet, to the individual musicians in the orchestra, and their collection of original arrangements.

### Has Picked Musicians

From an early age, Tommy had always had the ambition to lead his own orchestra of personally picked musicians. Tommy's first major engagement was at the Casa Madrid in Louisville, Kentucky, where he broadcast over stations WLW and WHAS. From there he began a tour of the East playing such places as Levaggi's and the

(Continued on Page 3)

### Freshman Formal

## Architecture Students Will Hear Planning Head

Students of city planning of the School of Architecture will hear a lecture on city planning given today by Mr. Frederick P. Clark, planning director of the New Hampshire State Planning and Development Commission.

Mr. Clark will speak on the importance of careful planning and especially the significance of practicability in industrial development projects. Clark's Commission has been especially prominent in coordinating New Hampshire industry with the economic requirements of the state.

## Eighth Lecture Closes Series

**Pamphlet About Lectures  
To Be Distributed  
On Thursday**

Climaxing the weekly marriage lecture series sponsored by the T.C.A., Professor F. Alexander Magoun of the Humanities department will deliver the eighth lecture entitled "So What" in Room 10-250 at 4 and 5 P.M., Thursday evening.

At the end of both lectures Thursday, the T.C.A. is going to distribute a mimeographed pamphlet titled "Preparation for Marriage." This pamphlet has been prepared by Professor Magoun in the form of an abstract on all the points brought out in the complete series of eight lectures. It will also contain a list of references for outside reading on the individual sub-topics of each lecture.

### Pamphlet Unique

The pamphlet will be unique because of the fact that there are very few outlines or books which cover the same range of marriage problems that were included in the T.C.A.'s series. This pamphlet will be available at the T.C.A. office for those who are not able to attend either lecture Thursday evening.

In commenting on his lecture, Professor Magoun stated, "This lecture

(Continued on Page 2)

### Marriage Lecture

## T. C. A. Embassy To Start Today

**Rev. Carl H. Kopf Addresses  
General Meeting In  
6-120 At 5 P.M.**

Rev. Carl Heath Kopf will open the third Tech Embassy as Chief Ambassador at the open meeting this afternoon at 5:00 P.M. in Room 6-120. The principal topic, "Life and Religion," will be outlined by Rev. Kopf after an introduction by Dean Samuel C. Prescott.

The general meeting has been thrown open to all, students and faculty, connected with the Institute. After the general meeting, which will end at about 5:45 P.M., there will be meetings in the various fraternities and dormitories with the individual ambassadors.

### Graduates Meet In Dutch Room

Graduate House students will meet at 6:00 P.M. in the Dutch Room. At 6:15 the undergraduate dorms will meet in the North Hall of Walker at the same time as the 5:15 Club meets in its clubroom. The Senior House men meet at 6:30 in the Faculty Dining Room.

The ambassadors will remain for

(Continued on Page 4)

### Tech Embassy

## Catholic Club Is To Hold Supper-Dance Tomorrow

Members of the Technology Catholic Club will hold a supper-dance with members of the club from Radcliffe tomorrow at 6:30 P.M.

Supper will be served in the North Hall of Walker Memorial and Professor Mercier of Harvard is to be the guest speaker. Dancing will follow in the 5:15 clubroom.

## T.C.A. Will Clear Unsold Books During This Week

The annual T.C.A. sale of unsold, unclaimed used books begins today and will continue through the rest of this week. Approximately 150 used books, priced from five to fifty cents, will be offered for sale.

Those books which are unsold at the end of the week will be donated to the American Library Association. The proceeds of the sale will go to the T.C.A. Book Exchange fund.

## Thomas P. Pitre Is Appointed New Associate Dean

**Pitre Has Served Nine Years  
As Assistant Dean  
Of Students**

Mr. Thomas Palm Pitre, assistant Dean of students at the Institute since 1930, has been appointed associate Dean, it was announced last night.

Better known to most students through his capacity as freshman registration officer, Dean Pitre has for the past nine years been assisting freshmen in overcoming the many problems which confront them at the Institute.

### Born In Waterbury

Dean Pitre was born in Waterbury, Conn., and received his early education in the schools of that state. Graduated from Amherst College, cum laude, in 1919, he became an instructor at Phillips Andover Academy. He joined the Institute's staff as an instructor in chemistry in 1920 and in 1930 was appointed assistant dean of students.

Mr. Pitre is the Author of "Chemistry Problems", and is a member of the American Chemical Society and Delta Upsilon fraternity.

Dean Pitre contends that freshmen must adapt themselves to the Institute's standards and methods in order to get along.

## Faculty Club Luncheon To Hear Prof. R. Evans

The new cyclotron and the application of artificial radio-activity to medical problems will be discussed by Professor Robley D. Evans of the department of Physics at a luncheon meeting of the Faculty Club in the Dutch Room of the Graduate House on Tuesday, April 11, at 12 Noon.

Professor Evans joined the Faculty in 1934. He has been very active in the application of modern nuclear physics, particularly radioactive phenomena, to other fields of science. His researches include work on radium poisoning in humans and animals, and the biological effects of electrons with reference to cancer therapy.

## W. Hutchinson Resigns Post At Technology

**Mining Department Head  
Completes 17 Years  
Of Service**

### HAS TRAVELED WIDELY

head of the department of Mining Engineering at Technology, is to retire from his position at the end of the academic year this June, it was announced last night.

For seventeen years he has served as Faculty member, and has been head of his department since 1927, when he succeeded Dr. Waldemar Lindgren.

Years before his Technology connections, Professor Hutchinson received practical experience in California in the mining and milling of gold, and later held executive posts for an Idaho mining company, and in several Missouri zinc mines.

### Discovers New Mineral

Practicing independently from 1903 to 1923, Professor Hutchinson's work led him to various continents where he became recognized as one of the world's foremost mining engineers. One of his more important achievements

(Continued on Page 4)

### Hutchinson

## All-Tech Carnival To Hear 5:15 Band

**Leon Mayer's Orchestra Will  
Provide Professional  
Entertainment**

Visitors to the All-Tech Carnival on Saturday, April 28, will probably have an opportunity to compare the musical merit of the "Institute's Finest" with that of Leon Mayer and his orchestra.

A group of rhythmically minded Institute men has been recruited from all residential groups and is rehearsing daily under the direction of David S. McNally, '41, and Albert E. Hayes, Jr., '42.

The management of Walker Memorial has had an upright piano temporarily installed in the 5:15 Club Room to aid the embryonic musicians in their practicing.

### 5:15 Room to Be Used

To insure adequate space for dance

(Continued on Page 3)

### Carnival

## Mass. Ave. Parking Restricted

The Cambridge City Council has passed a City Ordinance prohibiting parking of automobiles on Massachusetts Avenue as follows:

Massachusetts Avenue, easterly side between Memorial Drive and Vassar Street.

Massachusetts Avenue, westerly side from Princeton Avenue (directly opposite entrance to Rogers Building) to a point 50 feet north (in front of the Tech Block, which was formerly occupied by the "Co-op")

Massachusetts Avenue, westerly side from Princeton Avenue to a point 50 feet south (in front of Bexley Hall)

As soon as signs are prepared and erected by the Cambridge Street Department, Cambridge Police Officers will be instructed to prohibit all parking and tag all cars violating this ordinance.

The area on Princeton Avenue, between Bexley Hall and the Tech Block, is owned by the abutters (Technology and the Tech Block owners) and the Institute requests that its staff, employees, and students do not park in this area so that free access may be had to the new Briggs Field House now nearing completion.

# The Tech

Vol. LIX Tuesday, April 11, 1939 No. 19

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

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## OUR BRICKS

Perhaps the major fallacy of this age is in considering science as an end, rather than a means to an end. There is definitely a fallacy somewhere, for we at present possess enough knowledge of the physical world and enough ability to handle that knowledge to turn the earth into a garden spot. Evidently something is wrong in the way that we apply our knowledge.

Knowledge, which we call by the name of science, is a collection of facts, organized facts. How these facts are used is wisdom—or more truly, religion. Bricks are not important because they are bricks, but because they possess within themselves the potentialities of houses, of relieving the needs of men.

We must come to a full realization that the science which we are learning is not important because of itself, but because it gives us the power to relieve the needs of men—because of that knowledge, we possess the power of gods.

We need to cease invoking the forces of Heaven, and invoke the powers which we possess; powers as yet barely tapped.

It is not that we need, so badly, more gadgets to make us comfortable, as we need to use our powers to give us an outlook on life consistent with their potentialities. A faith must be built up about what we have the ability to do, but have not done; a faith in the future of men, based on what we, even now, have the power to accomplish, unused power.

So long as men neglect what they possess, to seek the solace of the unknown forces of the super-natural, we will have with us war, and its attendant degradations, moral confusion, poverty and riches, crime and intolerance. Such solace is escapism.

We possess right now, without help from Heaven, the power to do away with these things. It is the duty of the men of science to apply their knowledge to that aim, to assist in its birth and to nurture it. It must arise from them, for they are the people who give us that power.

Science can lead us to a faith and belief in the future of men; the use of science in the light of that faith is the truest form of religion.

## ALL-TECH SPIRIT

In unity there is strength seems to be becoming the motto of the more sincere activity leaders about the campus today. More than ever before is there a growing spirit of cooperation between members of the three residential groups. The recent avowal of leaders of the Junior Class that politics would

be abandoned in their coming class elections is certainly a weighty step toward better relations among the different student groups.

Eliminating in a large measure hard feelings between their group and the rest of the Institute the fraternities this year have made a larger proportion of the tickets for the IFC Dance available to non-fraternity purchasers. And now the commuters have fallen in line. The limited number of tickets for the All-Tech Carnival are to be distributed without preference to commuters, dormitory, or fraternity men. And the active help of all these groups has been recruited toward making the carnival "All Tech" in spirit as well as in name.

A student swing band now being formed is to have representatives of all residential groups, and a marked interest has been shown by all these groups toward actual participation in the administration of the various carnival activities. Great oaks are the direct descendants of infinitesimal acorns. We sincerely hope that such moves as the no-politics declaration of the Junior Class, the equitable sale of tickets by the IFC, and the broad appeal of the coming "All Tech Carnival" will serve to seed better feeling and smoother cooperation between all elements at the Institute.

## THE READER REMARKS

The Tech assumes no responsibility for communications printed in this column, nor do they necessarily represent the editorial opinion of this paper. All communications must be signed by the writer, whose name will be withheld on request.

Editor The Tech:

M.I.T. is apparently degenerating into a home for sex-starved children.

Recently Mr. Igor Sikorsky, eminent aircraft designer, was forced to cut short his lecture in 10-250 to make space promptly for a marriage lecture.

Mr. Sikorsky's name will be immortal as one of those few who dared pioneer in the construction of large airplanes. Aviation and the World are more indebted to him than they realize. Naturally we are greatly privileged to hear his words.

Even though there was regrettable conflict in the schedule, it is deplorable that a great man of science and industry be impolitely requested to give way to sex in the halls of M.I.T.

I suggest that the marriage lectures be removed to the Old Howard.

Nicholas Pickard, '40

## SCIENCE IN BRIEF

by ARTHUR M. YORK, '38

### WEALTH

The virtual cornucopia of the nation's chemical research laboratories is exemplified by the discoveries announced during the past week, principally through the sessions of the American Chemical Society's meeting in Baltimore. The week's press releases read like a catalogue of synthetic products, each of which reveals new wealths no less important than those of the geographical discoveries of past centuries.

Among the new products are wool and a rubberlike transparent product from skim milk; high explosives from natural gas; alcohol, insecticides, fungicides, adhesives, and plastics from lignin (extensive waste product of paper and rayon mills); and an improved gasoline that has double the power output of what was believed to be the highest powered gasoline possible. Glass manufacturers were saluted by Franklin Institute for their participation in the development of an ultra-safety glass of the laminated type that stretches before it cracks, can be rolled up like a carpet before it will break, and cannot shatter. On top of all this is a new synthetic substance called a "master chemical," which contains calcium carbide and heavy hydrogen as its fundamental building blocks and which promises to be the key to many of the hitherto unexplained secrets of the living body processes.

### WEATHER

Many aspiring long-range prophets of the weather have been able to find mathematical relations between past cycles of sunspots and the weather, but each has been doomed by the failure of his prophesies. An Australian meteorologist, Inigo Jones, claims to have succeeded where others have failed. On the basis of his studies of the sunspot cycles and the periods of the planets, he has made long-range forecasts that have thus far been 90 per cent correct. Time will yield the ultimate verdict of his success.

### HEALTH

Results of experiments to relieve human lead poisoning among workers in industrial plants indicate that large amounts of vitamin C, taken in the diet or by injection, will react with the toxic lead ions to produce a less active and much less toxic compound.

## The Reader Speaks

Editor, The Tech,

Dear Sir:

This letter is written in reply to your front page editorial of April 4, 1939, in which you laud the members of the class of 1940 who have decided that "politics must go," and have determined that there shall be no separate slates of candidates put forward by the fraternities, by the dormitories, or by the commuters.

Does this mean that The Tech would approve of school elections involving no political action whatever by any of the candidates? Up to 1934 (see files of The Tech for that year) electioneering of any form was expressly forbidden by the undergraduate constitution, but violation of this anti-electioneering rule was so flagrant and widespread that even the Institute Committee was finally forced to admit that its rule was not working and voted to establish the rules under which elections are now held.

It is an interesting sidelight on this affair that it was The Tech's editorial stand at that time, backed by militant reporting of the details of the rules breaking, that forced the issue to the attention of the Institute Committee and led directly to the framing of the present set of rules; while today The Tech is advocating a return of the good old days of political altruism.

Thus a little reference to history demonstrates that altruism does not mix very well with politics and today's proponents of altruism, if they were to admit that elections cannot be divorced from politics, might relieve a great strain on their honesty.

Sincerely yours,

S. L. Cohen

## Marriage Lecture

(Continued from Page 1)

will not be a resume of the previous lectures. There is one theory of teaching which many people advocate. First you tell the class what you are going to say, then you say it, and finally you tell them what you said. I am definitely not going to do this, as it would be just a waste of time to repeat what has already been covered."

### Outline of Fundamentals

The lecture "So What" will consist mainly of an outline of the fundamentals which underlie the whole group of marriage problems and Professor Magoun will attempt to connect these fundamentals with scientific laws and formulae in order to make them easier to remember.

"Almost every lecture contained certain common points and this was shown by the word 'together'. There was only one thing that a married couple was warned they couldn't do together and that was to get a divorce," Professor Magoun stated.

Attended by 6,300

The T.C.A. has estimated that when the lectures are completed, 6,300 people will have attended the series this year. The officials of the T.C.A. consider the series a success, and announced that the marriage lectures have been made a permanent part in the regular program.

## Reviews and Previews

METROPOLITAN—Errol Flynn and Olivia DeHavilland in the new frontier drama, *Dodge City*, a tale of the rough-and-ready country west of Chicago during the early days of the West. This picture conforms almost exactly to the general line of westerns that have been glutting the market for the past ten years. One can guess far in advance who the badmen are, who is going to holdup what, and that the hero is going to triumph in the end. Even though it conforms to a definite pattern, *Dodge City* is excellent entertainment. On the same program is the first in a series of pictures about that lovable comic character, Jane Arden, entitled *The Adventures of Jane Arden*.

KEITH MEMORIAL — Deanna Durbin's latest picture, *Three Smart Girls Grow Up*, a sequel to "Three Smart Girls". This picture is typical of the work the young star has done in the past, and should be gratefully received by Deanna Durbin fans. On the same program is the story of Douglas Corrigan, *The Flying Irishman*.

RKO BOSTON — Vaudeville is still with us! The stage show here this week includes Buck and Bubbles, the world's foremost colored comedians. Vox and Walters, a first-rate ventriloquist act, and Kampus Kapers. The screen show includes Tailspin Tommy, the well-known cartoon character, in *Mystery Plane*. Also on the screen is George O'Brien in *Trouble in Sun-down*.

LOEW'S STATE AND ORPHEUM—Mickey Rooney in Mark Twain's famous story, *Huckleberry Finn*. Also on the same program is *Blondie Meets the Boss*, a sequel to *Blondie*, with the same characters.

CAPITOL—*Stand Up and Fight*, with Robert Taylor and Wallace Beery. Also Robert Montgomery in *Fast and Loose*.

COOLIDGE CORNER — Shirley Temple in her latest Technicolor extravaganza, *The Little Princess*. Also Constance Bennett in *Tail Spin*.

BROOKLINE—Gunga Din, with Carole Grant and Victor McLaglen. Also *Ambush*, with Gladys Swarthout.

COPLEY—Opening here tonight, the Federal Theatre's latest production. This time the versatile troupers give us *Pinocchio*, a musical extravaganza direct from a long New York run.

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# Gymnasts Victors In New England

## Defeat Springfield By A Point To Win A.A.U. Championships

### Emerson Led Team With Two Wins In Finals

#### Team Closes Very Successful Year Under Forsell As Coach

Twenty-one M.I.T. varsity and freshmen gymnasts helped the Tech team place first in the New England A.A.U. Gymnastic championships last Saturday night at the Y.M.H.A. The engineering team coached by Herb Forsell barely nosed out the physical education students from Springfield by a score of 40-39.

Captain Bascom Emerson led his team to the victory with a win in both the Junior and Senior championships on the horizontal bar. Junior championships were for those having never placed in a Senior event. His team mate, George Cramer, who last week placed third on the high bar at the intercollegiate match held at Princeton, followed up Emerson with second places in both events to materially raise the Tech total.

#### Twelve Medals to Tech Men

Tech men won twelve of the thirty-six medals given at the tournament. Raymond Keyes placed third in the Senior meet on the side horse while George Anderson, freshman star, took second place in the Junior side horse. In the Senior Rope Climb, James Holley won second place in the Juniors, and third place in the Seniors. Following him in the Junior Rope Climb was Donald Dixon.

Edward Armstrong, a Tech graduate student, won the Junior Side Horse and the Junior and Senior Parallel bar championships. He was one of the highest scorers in the tournament.

#### Fifth Places Help Tech Scores

Because the first five places counted in the team score, the fourth and fifth place wins were instrumental in the Tech victory. In Rope Climbing Donald Dixon upped the Tech score with a third place in the Juniors and a fourth in the Seniors. George Anderson and Bob Sinsheimer tied for fifth in the Juniors and also scored fifth in Seniors. Maurice Flynn, Jr., scored a fourth in Tumbling while Raymond Keyes, Robert Dorsey and William Phinizy all scored on the flying rings. Garnering points on the parallel bars were Phinizy, Keyes and Anderson.

Summaries :

M.I.T.	40 points
Springfield	39 points
New Bedford Y.M.C.A.	7 points
Amherst	5 points
Lynn Y.M.C.A.	5 points
Lodi River Day's Club	3 points

The following teams failed to score: Lynn English, Schiller Turn Verein, Arden Turn Verein, Boston Y.M.C.A., and Summer High School.

### Carnival

(Continued from Page 1)

ing. the committee has announced that contests and novelty attractions will be divided between the Main Hall of Walker and the Club Room. Arrangements are being made with the Walker Dining Service to supply refreshments and permission has also been obtained to use the service facilities of the 5:15 Room.

Tickets may not be put on public sale for another week, it was announced by Wylie C. Kirkpatrick, '40, president of the Commuters' Association, late last night. This measure has been adopted because of the heavy sales now being made by individual officers of the club.

### Stevens Tech Ten Sets Back M.I.T.

#### Takes Nip-And-Tuck Victory In Lacrosse Game On Home Grounds

Technology's strong lacrosse team went down to defeat at the hands of a fast Stevens Tech team with a score of 6 to 5 at Castle Point Field in Hoboken last Saturday.

M.I.T. led by one point, 3-2, at the half, but Piipari evened the score. The count was tied again at 5-5 in the final period. Piipari made the winning goal.

The playing of the Technology team was very fast and clean, as was the playing of their opponents; only two penalties were imposed during the whole game.

#### Alexander Leads Tech Team

All of the Technology men played a hard and fast game, but John Alexander led the Tech team with three out of the five points scored.

The lineup:

Stevens (6)	M.I.T. (5)
Sunderlin	McPhaul
Day	Silber
Black	Crimmins
Hoffman	Crawford
Krake	Morehouse
Hornbrush	Martin
Schwab	Farrell
Colie	Browning
Piipari	Cramer
Hanna	Alexander

Goals — Stevens: Piipari 3, Hornbrush, Downey, Hanna. M.I.T.: Alexander 3, Holsteak, Browning.

Substitutes—M.I.T.: Ohel, Dietere, Schuchard, Seim, Holsteak, Tarusky, Stevens, Dickinson, Maloney, Downey, Heinrich, Mahon, Lydecker.

### Weather Study

(Continued from Page 1)

on April 1, when a balloon nearly four feet in diameter sailed aloft from Cambridge carrying a midget radio reporting weather station which weighed less than a pound. Every thirty seconds by ultra high frequency this soaring radio station sent out a complete report of temperature, humidity, and pressure. Two such balloons released for experimental flight on Thursday showed a warm wind above the chilly breeze at ground level.

The ascent is only the first of seventy to be made daily for the next ten weeks as a joint project with the Harvard observatory and the United States Weather Bureau, using Harvard radio meteorographs. The roof of the Institute's Guggenheim Aeronautical Laboratory will be the scene of the release of the balloons. Delbar P. Kelly and Edward M. Brooks, both of Technology's meteorological staff, have charge of this part of the program.

#### West Coast May Be Included

If the trial period at the new Atlantic stations this spring is successful, it is hoped that a similar plan can be initiated next year for the west coast and out into the Pacific as far as Hawaii. Still later, it is expected that demands for more accurate long-range weather forecasting by the agencies of air transport will necessitate the establishment of permanent meteorological stations all over the world, including many islands, as well as a number of man-made floating observatories at points where there are no islands.

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### Tech Sailors Defeat Tufts

#### Foes Overwhelmed 77 To 31 In Wintry Winds On Charles

Braving the last throes of winter, the M.I.T. sailing team defeated the Tufts sailors last Sunday morning on the Charles River Basin by the score of 77 to 31. The mercury hovered around 30, and flurries of snow whipped the eight contesting boats as they sailed around a triangular course.

#### Coe, Hanson, Tyson Win

In the first race, Jim Tyson of M.I.T. skippered the winning boat, while he was ably assisted by Pete Park in the crew berth. Commodore Herman Hanson of the Tech team won the second race by a fair margin, thus putting M.I.T. well in the lead. The contestants changed boats for the last race and though numb from the frigid conditions of the preceding races, sallied forth into the storm again. Jerry Coe, with Jack Quinn as crew, easily won this race, thereby winning the meet for Tech.

This race continued the long string of victories on home waters for the M.I.T. sailors. Herman Hanson and Jim Tyson were the high scorers for Technology with 20 points apiece, while Bill Watkins and Jerry Coe closely followed with 19 and 18 points respectively. The high scoring pair for Tufts was the combination of French and McNeish with the total of 13 points.

#### Voss Cup Series Started

The competition for the Voss Cup was started last Saturday. Jerry Coe set a high mark with 32 points out of a possible 35, putting himself well in the lead for the series. Johnny Carleton placed second with 22 points. In the consolation series, Tom Crowley, also a member of the class of '42, gained a broad lead with 44 out of a possible 48 points. The next competitor was Homer Skinner with 31 points. Eric Olsen is leading the graduate division with 19 out of a possible 20 points.

### Dorm Frosh Hold Spring Dinner; Schaefer Talks

Over 125 freshmen attended the annual Spring Dormitory Freshman Dinner held in the North Hall of Walker Memorial last Wednesday night, at which Professor Albert A. Schaefer, of Course 15, spoke and Mr. Obie Dennison, secretary of the class of '41, sang.

Nicolaas Ferreira, '39, chairman of the Freshman committee, opened the program with a few words to the freshmen emphasizing the importance of cooperation in class projects. He praised the freshmen for their excellent turnout to the dinner and for their class spirit.

#### Stresses Activities

Professor Schaefer, in his talk, cited many witty comments on his experience with Technology men in the capacity of lawyer, and then passed on to a more serious discussion of the necessity for the dormitory men to go out for more activities. He stated that other things being equal, employers invariably would be more interested in the man who had a good activity record.

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### Largest High Jump Fan In The World Is One Feature Of Tech's New Track

The largest high jump fan in the world, two regulation broad jump pits, two regulation pole vault take-offs, a twenty-eight foot wide straightway, and a special drainage system feature the Institute's new track on new Tech Field.

Also included in the outlay behind the new field house are two javelin runways, a football field, and facilities for discus, hammer, and shot put.

#### Fan Is World's Largest

The high jump fan will permit approach to the bar from any angle. According to Frederick W. Rubien, Jr., builder of the track, it is the largest in the world.

The track and field are a marvel of engineering. After two weeks of surveying last summer, Mr. Rubien had to spend almost three months leveling the section of new Tech Field upon which the track lays.

#### Field Is Turtleback

At present the Field is "turtle-backed" with the center two feet higher than the edges. The track itself is spirit level. Water will drain off the field into a special drainage system consisting of drains every thirty feet around the track, which empty into the Charles River.

In cross-section the track is twenty-four inches deep, the bottom eighteen inches being coarse cinders, most of which came from the old track, and

### Freshman Formal

(Continued from Page 1)

Promenade of the State Ballroom in Boston.

Harvard, Bowdoin, Brown, Dartmouth, and William and Mary are among the colleges who have heard Tommy's band and reengaged him for their affairs. Last Summer Reynolds played at the Asbury Park Casino, New Jersey, broadcasting nightly.

#### Invitations Available

Those freshmen attending the Formal who have as yet not obtained the invitations to be sent to their guests may get them at the information office after Thursday on presentation of a ticket.

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the top six inches being a mixture of screened cinders, loam, and clay.

#### Track Marked for All Distances

Concrete curbs border the quarter mile oval and two stretches and extend the full two feet down. The 220 yard straightaway is twenty-eight feet wide; the remainder of the track 20 feet. The track itself will be marked for every distance, both English and metric, that is run.

Inside the oval will be laid the broad jump pits, pole vault runways, javelin runways, football field, and high jump fan.

In order to insure the surface of the field from damage, facilities for the hammer throw, shot put, and discus throw will be placed outside the track opposite the field house.

The stands on the old track are to be placed by the 220 straightway on the new one. When finished, the track and field will be as complete as any other in the country.

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# CALENDAR

## TUESDAY, APRIL 11

- 12:00 Noon Faculty Club Luncheon—Dutch Room.
- 5:00 P.M. General Tech Embassy Meeting—Room 6-120.
- 6:00 P.M. Graduate House Embassy Dinner—Dutch Room.
- 6:15 P.M. Dormitory Embassy Dinner—North Hall.
- 6:15 P.M. 5:15 Embassy Dinner—5:15 Room.
- 6:15 P.M. Tech Squash Team Dinner—Silver Room.
- 6:30 P.M. Senior House Embassy Dinner—Faculty Room.

## WEDNESDAY, APRIL 12

- 6:30 P.M. Catholic Club Dinner—North Hall.
- 7:30 P.M. Dramashop Tryouts—Room 7-403.

## THURSDAY, APRIL 13

- 12:00 Noon S.A.M.E. Plant Trip—Watertown Arsenal.
- 4 & 5 P.M. Marriage Lecture—Room 10-250.

## Commencement

(Continued from Page 1)

ford's Lecturer in physical chemistry. Since 1931 he has been Senior Research Fellow of Balliol College, and vice-president and director of the London Midland and Scottish Railway since 1930.

### Was Military Officer

During the World War, Sir Harold held the rank of brigadier general in the British expeditionary forces, and was decorated with the Military Cross. He is chairman of the British National Committee and of the International

Executive Council of the World Power Conference. He is also a member of many technical organizations, a Fellow of the Royal Society, and is widely known as a writer and lecturer on scientific and engineering subjects.

## Hutchinson

(Continued from Page 1)

ments occurred on a South American trip when he discovered a new vanadium mineral, "melanovanadite."

Even after his appointment to the Technology staff in 1922, Professor Hutchinson continued his independent activity, and made several international journeys. In the year of his appointment, he became a member of the firm of Hutchinson and Livermore. He has since travelled extensively in Canada, Mexico, Chile, Peru, Rhodesia, and the United States studying and investigating various mineral deposits.

### Received Many Honors

Honored as a member of Tau Beta Pi, Professor Hutchinson has also held posts in such professional organizations as the American Institute of Mining and Metallurgical Engineers, the engineering division of the National Research Council, and the Mining and Metallurgical Society of America.

At the San Francisco Exposition in 1915, he was awarded the silver medal for his excellent work. Professor Hutchinson has written several papers in the past for various technical journals.

## Tech Embassy

(Continued from Page 1)

about an hour, conducting a discussion and answering questions. Part of the cost of these dinner meetings will be defrayed by the Technology Christian Association, sponsor of this event.

A partial list of the ambassadors, mostly ministers from greater Boston, or Technology Professors, is as follows:

Rev. Charles E. Butler, Rev. William Daly, Rev. Mr. Nowlan, Dr. Everett M. Baker, Dr. Samuel M. Lindsay, Rev. Phillips E. Osgood, Rev. William H. Gysan, Rev. Jesse M. Trotter, Rev. Jeffery Campbell, Rev. John N. Mark, Rev. Carl H. Kopf, Rev. Samuel H. Miller, Rev. Dr. Leach, Dr. Bernard L. Rice, Dr. John W. Chamberlain, Dr. Brewer Eddy, Professor Karl L. Wildes, Rev. Ernest W. Keubler, Dr. Donald Lothrop, Canon Cornelius Trowbridge, Rev. Gray M. Blandy, Rev. F. Hastings Smyth, '14, Dr. Boynton Merrill, Rev. Charles M. McConnell, Professor Erwin H. Schell, Major Archibald D. Fiske, and Rev. Newton C. Fetter.

General chairmen of this event are William H. Davis, '39, and John C. Potter, '41.

## Meteorological Society Honors Prof. C. Rossby

Professor Carl G. A. Rossby of the department of Meteorology has been elected an honorary member of the Royal Meteorological Society of London. Only two others in the United States, and 19 others in the world have been so honored.

Professor Rossby has an international reputation for his work in the application of advanced meteorological methods to weather forecasting. He has played an important part in the introduction of the mass analysis method of weather forecasting in the United States, and has contributed notably to knowledge of meteorological conditions in the upper atmosphere.

In 1935 the Institute of Aeronautical Sciences recognized his work by awarding him the Sylvanus Albert Reed Medal.

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